	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
1	US 20040136466 A1	20040715	18	System and Method for Joint Maximal Ratio Combining Using Time-Domain Based Signal Processing	375/267	
2	US 20040071222 A1	20040415	23	Wireless communication apparatus and method	375/267	
3	US 20030152159 A1	20030814	29	Communication method, communication system, transmitter, and receiver	375/267	375/299; 375/347
4	US 20030099304 A1	20030529	18	System and method for transmit diversity base upon transmission channel delay spread	375/267	375/130
5	US 20030072382 A1	20030417	56	Spatio-temporal processing for communication	375/267	
6	US 20030063680 A1	20030403	16	Per-bin DFE for advanced OQAM-based multi-carrier wireless data transmission systems	375/260	375/350
7	US 20030043929 A1	20030306	20	Transmit signal preprocessing based on transmit antennae correlations for muliple antennae systems	375/267	375/347
8	US 20030043928 A1	20030306	25	Coding scheme for a wireless communication system	375/267	375/347
9	US 20030026348 A1	20030206	23	Wireless communication apparatus and method	375/267	
10	US 20020193146 A1	20021219	35	Method and apparatus for antenna diversity in a wireless communication system	455/562.1	375/347; 455/101; 455/272
11	US 20020191703 A1	20021219	24	Method and apparatus for utilizing channel state information in a wireless communication system	375/267	
12	US 20020181549 A1	20021205	12	Multicarrier receiver with channel estimator	375/142	375/260; 375/343; 375/350
13	US 6778514 B1	20040817	13	Subspace combination of multisensor output signals	370/334	370/335; 370/514; 375/347; 455/137
14	US 6771706 B2	20040803	22	Method and apparatus for utilizing channel state information in a wireless communication system	375/267	375/260; 375/296; 375/347; 375/349; 455/101

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	Document ID	Issue Date	Pages	Title	Current OR	Current XRef
15	US 6754261 B1	20040622	34	System, device, and method for determining the sampling time for a time-domain equalizer	375/232	375/231; 375/340; 375/344; 375/350
16	US 6741658 B1	20040525	13	Apparatus, and associated method, for forming a signal for communication upon a fading channel	375/267	375/347
17	US 6724842 B1	20040420	13	Method for wireless differential communication using multiple transmitter antennas	375/347	370/334; 375/240; 375/260; 375/299
18	US 6697424 B1	20040224	17	Fast convergent pipelined adaptive decision feedback equalizer using post-cursor processing filter	375/233	375/350
19	US 6650716 B1	20031118	15	Space-time receiver structure for digital communication systems	375/347	375/348; 455/296
20	US 6603809 B1	20030805	9	Apparatus, and associated method, for forming a signal for communication upon a fading channel	375/223	375/265; 375/267; 375/268; 375/271; 375/299; 375/302; 455/101; 455/110; 455/521; 708/203; 708/520; 708/607; 714/701; 714/774; 714/792; 714/810
21	US 6587526 B1	20030701	9	Apparatus and method for timing synchronization in OFDM-based wireless systems	375/355	375/347; 375/357; 375/358
22	US 6477161 B1	20021105	14	Downlink beamforming approach for frequency division duplex cellular systems	370/342	370/281; 370/319; 370/334; 370/344; 375/267; 455/562.1

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23	US 6473467 B1	20021029	29	Method and apparatus for measuring reporting channel state information in a high efficiency, high performance communications system	375/267	370/208; 370/210; 375/144; 375/260; 375/299; 375/347
24	US 6452981 B1	20020917	50	Spatio-temporal processing for interference handling	375/299	375/296; 375/347; 375/349
25	US 6430239 B1	20020806	12	Process of cyclic detection in diversity of polarization of digital cyclostationary radioelectric signals	375/347	342/361; 342/373; 342/383; 343/726; 343/756; 343/893
26	US 6400780 B1	20020604	9	Space-time diversity for wireless systems	375/347	375/140
27	US 6396886 B1	20020528	12	DMT time-domain equalizer algorithm	375/350	375/232; 375/260
28	US 6327314 B1	20011204	31	Method and apparatus for channel estimation for multicarrier systems	375/340	342/378; 375/347; 455/63.1
29	US 6320901 B1	20011120	16	Method for fast off-line training for discrete multitone transmissions	375/222	370/503; 375/231; 375/354; 708/305
30	US 6144711 A	20001107	49	Spatio-temporal processing for communication	375/347	375/346; 375/349
31	US 6128276 A	20001003	53	Stacked-carrier discrete multiple tone communication technology and combinations with code nulling, interference cancellation, retrodirective communication and adaptive antenna arrays	370/208	370/335; 375/347
32	US 6115427 A	20000905	34	Method and apparatus for data transmission using multiple transmit antennas	375/267	375/240; 375/265; 375/296; 455/65
33	US 6084928 A	20000704	12	Radio environment analysis apparatus	375/347	342/147; 375/148
34	US 6067324 A	20000523	11	Method and system for transmitting and demodulating a communications signal using an adaptive antenna array in a wireless communication system	375/267	375/219

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35	US 6044120 A	20000328	14	Time-varying weight estimation	375/347	375/349; 455/276.1
36	US 5933446 A	19990803	7	Beamformer with adaptive processors	375/130	342/196; 342/354; 375/347
37	US 5870432 A	19990209	17	Method for transmission line impulse response equalization and a device to perform this method	375/232	333/166; 375/350; 708/323
38	US 5848105 A	19981208	46	GMSK signal processors for improved communications capacity and quality	375/336	370/478; 375/346; 375/350
39	US 5761088 A	19980602	18	Method and apparatus for channel identification using incomplete or noisy information	348/614	348/611; 375/224; 375/231; 375/350
40	US 5621768 A	19970415	11	Generalized noise cancellation in a communication channel	375/346	375/349; 375/350; 455/303
41	US 5267266 A	19931130	11	Fast converging adaptive equalizer using pilot adaptive filters	375/232	375/350; 708/323
42	US 5260968 A	19931109	22	Method and apparatus for multiplexing communications signals through blind adaptive spatial filtering	375/347	
43	US 5222080 A	19930622	15	Method and apparatus for signal reconstruction	370/422	370/474; 375/350; 455/303; 455/306

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